

PMP10487 REV B Bill of Materials



Designator	Quantity	Value	PartNumber	Manufacturer	Description	Package
C1, C2, C8	3	0.1uF	C1608X7R1H104K	TDK	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	0603
C3	1	10uF	C2012X7R1A106M125AC	TDK	CAP, CERM, 10 uF, 10 V, +/- 20%, X7R, 0805	0805
C4, C7, C9	3	open			CAP, open, 0603	0603
C5	1	open			CAP, open, 0805	0805
C6	1	4700pF	C1608C0G1H472J	TDK	CAP, CERM, 4700 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
D1	1	Red	LH CP7P-2T3T-1	OSRAM	LED, Red, SMD	LED, Red, 3.0x2.23x3.0mm
J1, J3, J4, J5	4		PEC02SAAN	Sullins	Header, 100mil, 2x1, Tin, TH	Header, 2 PIN, 100mil, Tin
J2	1		ED555/2DS	OST	Terminal Block, 6A, 3.5mm Pitch, 2-Pos, TH	7.0x8.2x6.5mm
L1	1	10uH	XAL4040-103MEB	Coilcraft	Inductor, Shielded, Composite, 10 uH, 3 A, 0.084 ohm, SMD	4.0x4.1x4.0mm
R1, R10	2	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R2, R5, R9	3	open			RES, open, 0603	0603
R3	1	0.075	ERJ-L06UF75MV	Panasonic	RES, 0.075, 1%, 0.25 W, 0805	0805
R4	1	182k	CRCW0603182KFKEA	Vishay-Dale	RES, 182 k, 1%, 0.1 W, 0603	0603
R6, R8	2	49.9k	CRCW060349K9FKEA	Vishay-Dale	RES, 49.9 k, 1%, 0.1 W, 0603	0603
R7	1	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9 ohm, 1%, 0.1W, 0603	0603
TP1, TP2, TP4, TP6, TP7, TP8	6	Red	5000	Keystone	Test Point, TH, Miniature, Red	Keystone5000
TP3, TP5	2	Black	5001	Keystone	Test Point, TH, Miniature, Black	Keystone5001
U1	1		INA193AIDBV	Texas Instruments	CURRENT SHUNT MONITOR -16V to +80V Common-Mode Range, DBV0005A	DBV0005A
U2	1		TPS54218RTE	Texas Instruments	2.95 V to 6 V Input, 2 A Output, 2MHz, Synchronous Step Down Switcher With Integrated FETs (SWIFT), RTE0016C	RTE0016C
U3	1		OPA313IDCKR	Texas Instruments	1MHz, Micropower Operational Amplifier, 1.8 to 5.5 V, 5-pin SOT23 (DCK0005A)	DCK0005A